

STIC Search Report Biotech-Chem Library

STIC Database Tracking Number: 134960

TO: Maria Marvich

Location: 2b84/2c70

Art Unit: 1636 October 22, 2004

Case Serial Number: 09/762648

From: P. Sheppard

Location: Remsen Building

Phone: (571) 272-2529

sheppard@uspto.gov

Search Notes	
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BEST ALAMABLE COOL

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ALIGNMENTS

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Homo Bapiens (human)
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/mol_type="genomic DNA"
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PI BRUCE L ROBERTS, SRINIVAS SHANKARA
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; Pred. No. 1.4e
5; Mismatches
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Pred. No. 1.4e+07
5; Mismatches
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AR303297
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                                                                                                                                                                                                                                                                                                                 Unclassified.

Inclassified.

(bases 1 to 10)

1 (bases 1 to 10)

Nirzabekov,A., Guschin,D.Y., Chik,V., Drobyshev,A., Fotin,A.,

Yershov,G. and Lysov,Y.

Customized oligonuclectide microchips that convert multiple genetic information to simple patterns, are portable and reusable Patent: US 6458584-A 71 01-OCT-2002;

Patent: US 6458584-A 71 01-OCT-2002;

Location/Qualifiers
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                      Unknown.
Unclassified.
1 (bases 1 to 10)
                                                                                                     AR303297 10 bp
Sequence 22 from patent US 6544736.
AR303297
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
Shimamoto,A.,
Watahiki,M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Regulatory elements in the 5' region of the vrl Patent: WO 2004053120-A 587 24-JUN-2004;
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CQ828869.1 GI:49732352
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Similarity 40.0%;
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/mol_type="genomic
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/mol_type="unassigned DN/db_xref="taxon:9606"
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            Furuichi, Y.,
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            Shibata, Y.,
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            Funaki, H.,
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AR074496
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                                                                                                   1 (bases 1 to 11)
Zavada, J., Pastorekova, S. and Pastorek, J.
Method of inhibiting tumor growth using a
Patent: US 5955075-A 75 21-SEP-1999;
Location/Qualifiers
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Patent:
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AR074496
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unclassified.
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Heim, J., Meyhack, B. and Visser, J.
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Nucleotide sequence
A13081
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/mol_type="unassigned DNJ
/db_xref="taxon:32644"
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                                                                       /organism="unknown"
/mol_type="unassigned
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/mol_type="genomic
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5; Mismatches 1
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Unclassified.
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Zavada, J., Pastorekova, S. and Pastorek, J.

MN-specific antibodies and hybridomas

Patent: US 5981711-A 75 09-NOV-1999;

Location/Qualifiers
                                                     AR088121.1
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Sequence 75
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AR085373
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Zavada, J., Pastorekova, S. and Pastorek, J.
MN proteins, polypeptides, fusion proteins
Patent: US 5972353-A 75 26-OCT-1999;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                      Unclassified.
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/mol_type="unassigned/
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/mol_type="unassigned
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5; Mismatches 1
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Sequence
AR139988
                                                                                                                     1 (bases 1 to 11)
Zsebo, K.M., Bosselman, R.A., Suggs, S.V.
DNA encoding stem cell factor
Patent: US 6207417-A 99 27-MAR-2001;
Location/Qualifiers
                                                                                                                                                                                               Unknown
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Sequence
AR104280
                                                                                                                                                                                                            Unknown.
                                                                                                                                                                                                                                AR139988.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 (bases 1 to 11)
Zavada,J., Pastorekova,S. and Pastorek,J.
Detection and quantitation of MN-specific
Patent: US 609348-A 75 25-JUL-2000,
Location/Qualifiers
                               n 62.0%; Score 6.2; DB 6; Similarity 40.0%; Pred. No. 1.3e+07; 4; Conservative 5; Mismatches 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            : | | : | | : ::
1 TGCTGGTGAG
                                                                                                                                                                                     Unclassified
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UGCDGGHNMD 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Unclassified.
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                                                                                        /organism="unknown"
/mol_type="unassigned
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Pred. No. 1.3e+07;
5; Mismatches 1
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Pred. No. 1.3e+07;
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S 6207417.
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RESULT 15
AR140307/c
LOCUS
DEFINITION
ACCESSION
VERSION
KEYWORDS
SOURCE
ORGANISM
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FEATURES
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AUTHORS
TITLE
Search completed: October 19, 2004, 15:31:01 Job time: 1560 secs
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                                                                                                    Query Match 62.0%; Score 6.2; DB 6; Length 11; Best Local Similarity 40.0%; Pred. No. 1.3e+07; Matches 4; Conservative 5; Mismatches 1; Indels
                                                                                                                                                              Unknown.
Unknown.
Unknown.
1 (bases 1 to 11)
2 sebo, K.M., Bosselman, R.A., Suggs, S.V. and Martin, F.H.
Method for enhancing the effciency of gene transfer with stem cell factor (SCF) polypeptide
Patent: US 6207454-A 99 27-MAR-2001;
Location/Qualifiers
1 11
                                                  11 TGCAGGAGAT 2
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Sequence 99 from patent US 6207454.
AR140307
AR140307.1 GI:14482803
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Title:
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geneseqn2004s:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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Aad42664 Human BUB	Aas99948 Even-skip	Aaf36075 Yeast NOR	Aac58840 Human HLA	Prime:	Aaz79910 Human den	Aaz85761 Metastati	Aaz81050 Metastati	Aaz77631 Human den	Aaz77884 Human den	Aax32308 Radioacti	Aax32310 Radioacti	Aax32309 Radioacti	Aax32305 Radioacti	Aax32307 Radioacti	Aax32304 Transcrip	Aax32311 Radioacti	Aav45971 Biosensor	Aat29372 5'-primer	Aaq96474 HIV-1 NL4	Aaq96908 HIV-1 NL4	Description	

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	Abg86602 Human ski	Aas10475 Synthetic	Aas04240 Synthetic	Aah23917 Synthetic	Aaf89118 Stem cell	Aas04138 Synthetic	Aah41359 Recombina	Aaa92135 Human Lhx	Aaa52516 Human MN	Aaa16597 Human MN	Aaa13719 Rat stem	Aaz18993 Murine MR	Adg30294 Human VR1	Adn89079 Hyperlipi	Abx15890 Human BUB	Aca63200 Human ALD	Add71292 Human ET	Add71266 Mouse ET	Adh22211 Primer ex	Abk96151 Human CYP	Aas16764 Human APO	Ab152050 Human SLC	Abk92648 Primer-ex

ALIGNMENTS

RESULT 1
AAQ96908/c
ID AAQ969 14-FEB-1994; 21-FEB-1994; 23-DEC-1994; 17-AUG-1995 Human immunodeficiency virus 1. HIV-1; AIDS; attenuation; vaccine; nef gene; avirulence; HIV-1 NL4-3 nef gene nucleotide deletion 503 16-OCT-2003 26-MAR-1996 AAQ96908; AAQ96908 standard; DNA; 10 BP. 14-FEB-1995; W09521912-A1. (revised) (first entry) 94AU-00003864. 94AU-00004002. 94AU-00000284. 95WO-AU000063. 88

(MACF-) Deacon NJ, MACFARLANE BURNET CENT MEDICAL.
AUSTRALIAN RED CROSS SOC. Learmont JC, Mcphee DA, Crowe S, Cooper

Ö

WPI; 1995-293115/38.

New non-pathogenic HIV-1 strain carrying a deletion in its nef gene or LTR region - can be used in a vaccine to inhibit/reduce productive infection in an individual by a pathogenic strain.

Claim 13; Page 194; 301pp; English.

Attenuation of pathogenic HIV-1 strain NL4-3 involves deletion of 1 or more decanuclectides (AAQ95406-Q97018) from the nef gene and/or 1 or more decanuclectides (AAQ97019-Q97166) from the LTR region; the sequence of AAQ96406 corresponds to nuclectides 1-10 of the nef gene (AAQ96141). The resulting avirulent HIV strains are still capable of inducing an immune response in humans, and enable the generation of therapeutic, diagnostic

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RESULT 2
AAAQ96471AC
ID AAQ9647
XX AAQ9647
XX 16-OCT
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DT 20-MAR
XX HIV-1
XX HIV-1
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                                                                                                                                                                                                 Sequence 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 13; Page 189; 301pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New non-pathogenic HIV-1 strain carrying a deletion in its nef gene LTR region - can be used in a vaccine to inhibit/reduce productive infection in an individual by a pathogenic strain.
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23-DEC-1994;
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                                                                                               Conservative
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Pred. No. 6.7e+05;
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Matches
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Best Local
                                                           Synthetic
                                                                                                        Biosensor; microchip; detection; identification; hybridisation; ss
                                                                                                                                                                      Biosensor oligonucleotide
                                                                                                                                                                                                                            08-OCT-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The 5'-primers AAT29262-382, and the complementary 3'-primers derived from them, which target mammalian G-protein coupled receptor coding sequences, together comprise a PCR primer kit. The kit is used in a new method for the characterisation of nucleic acid sequences obtd. from mammalian biological samples, which comprises PCR amplification and indexing of the prods. w.r.t the primer pair that hybridised to its delineating subsequences. The method may be used in the identification, cloning and analysis of genes, e.g. in genome mapping, and disease diagnosis. (Updated on 25-MAR-2003 to correct PI field.)
                                                                                                                                                                                                                                                                                       AAV45971;
                                                                                                                                                                                                                                                                                                                                             AAV45971 standard; DNA; 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 10 BP; 1 A; 2 C; 3 G; 4 T; 0 U; 0 Other;
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28-JUN-1996
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Pred. No. 6.7e+05;
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Best Local
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                                                                                                                                                                               (HARD )
(UYBO-)
New RNA transcriptional regulators - used for modulating gene expression in vitro or in vivo, e.g. as therapeutic agents for treating e.g. cancer
                                                                                WPI; 1999-204663/17
                                                                                                                                                                                                                                                          27-AUG-1997;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Transcriptional regulator; DNA-binding moiety; promoter; initiation; elongation; gene expression; cancer; anemia; riboactivator; R10 library; ss.
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Pred. No. 6.7e+05;
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                    The invention provides novel transcriptional regulators (TR) that are comprised of RNA molecules. The TR comprises a DNA-binding moiety and an RNA linked to the DNA binding moiety, where the RNA has TR activity. Methods of identifying such RNA TRs are also provided. The RNA TRs alter the rate and/or the extent of transcription from a promoter when they are delivered to a site that is operationally linked to that promoter. The
                                                                                                                                                                                                                          Claim 9; Page
                                                                                                                                                                                                                                                                                                          New RNA transcriptional regulators - used for modulating gene expression in vitro or in vivo, e.g. as therapeutic agents for treating e.g. cancer
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                                   The invention provides novel transcriptional regulators (TR) that are CC comprised of RNA molecules. The TR comprises a DNA-binding moiety and an CR RNA linked to the DNA binding moiety, where the RNA has TR activity. CC Methods of identifying such RNA TRS are also provided. The RNA TRS alter CC the rate and/or the extent of transcription from a promoter when they are CC delivered to a site that is operationally linked to that promoter. The CC transcription initiation, elongation, reinitiation, cc an affect transcription initiation, elongation, reinitiation, CC cells, mammalian cells, insect cells, plant cells, reptile cells, CC cells, mammalian cells, insect cells, plant cells, reptile cells, CC celnorate cells, and protozoan cells. They can be used as agents for controlling gene expression, e.g. to modulate gene expression in vivo in CC order to alleviate or correct a disease state, e.g. cancer, amenia and CC other disorders related to erythrocyte production. Sequences AAX32305-312 or represent radioactivator isolate sequences obtained from a RIO library
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CC Methods of identifying such RNA TRs are also provided. The RNA TRs alter CC the rate and/or the extent of transcription from a promoter when they are CC transcription initiation, elongation, reinitiation, reinitiation, cc TRs can affect transcription initiation, elongation, reinitiation, yeast CC termination and pausing. They can be used in e.g. bacterial cells, yeast CC cells, mammalian cells, insect cells, plant cells, reptile cells, controlling gene expression, e.g. to modulate gene expression in vivo in CC controlling gene expression, e.g. to modulate gene expression in vivo in CC controlling the controlling gene expression, e.g. to modulate gene expression in vivo in CC controlling the controlling gene expression, e.g. to modulate gene expression in vivo in CC controlling the controlling gene expression, e.g. to modulate gene expression in vivo in CC controlling the controlling gene expression in vivo in CC controlling the controlling gene expression in vivo in CC controlling the controlling gene expression in vivo in CC controlling gene expression and the controlling gene expression and the controlling gene expression and the controlling gene expression in vivo in CC controlling gene expression and the controlling gene expression in vivo in the controlling generation and the controlling generation and the con
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                                                                Score 6.2; DB
Pred. No. 6.7e
4; Mismatches
                                                                                                                                                                                                          G; 0 T; 2 U; 0 Other;
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Pred. No. 6.7e+05
                                                                                                   6.7e+05;
                                                                                                                                         DB 2;
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The invention provides novel transcriptional regulators (TR) that are comprised of RNA molecules. The TR comprises a DNA-binding moiety and an RNA linked to the DNA binding moiety, where the RNA has TR activity. Methods of identifying such RNA TRs are also provided. The RNA TRs alter the rate and/or the extent of transcription from a promoter when they are delivered to a site that is operationally linked to that promoter. The TRs can affect transcription initiation, elongation, reinitiation,
Transcriptional regulator; DNA-binding moiety; promoter; transcription;
                                 Radioactivator isolate no:
                                                                  16-JUN-1999
                                                                                                                                                                                                                                                                                                                                       Sequence 10
                                                                                                                                                                                                                                                                                                                                                                     represent radioactivator isolate sequences obtained
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Example 2; Page 23; 57pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New RNA transcriptional regulators - used for modulating gene expression in vitro or in vivo, e.g. as therapeutic agents for treating e.g. cancer
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5; Conserv
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Pred. No. 6.7e+05;
4; Mismatches 1; Indels
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Query Match
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Matches 5
                                                                                                                     The invention provides novel transcriptional regulators (TR) that are comprised of RNA molecules. The TR comprises a DNA-binding moiety and an RNA linked to the DNA binding moiety, where the RNA has TR activity. Methods of identifying such RNA TRs are also provided. The RNA TRs alter the rate and/or the extent of transcription from a promoter when they are delivered to a site that is operationally linked to that promoter. The TRs can affect transcription initiation, elongation, reinitiation, termination and pausing. They can be used in e.g. bacterial cells, yeast cells, mammalian cells, insect cells, plant cells, reptile cells, celenorate cells, and protozoan cells. They can be used as agents for controlling gene expression, e.g. to modulate gene expression in vivo in order to alleviate or correct a disease state, e.g. cancer, anemia and other disorders related to erythrocyte production. Sequences AX33305-312
                                                                     Sequence 10 BP; 1 A; 2 C; 4 G; 0 T; 3 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                       Example 2; Page 23; 57pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                            New RNA transcriptional regulators - used for modulating gene expression in vitro or in vivo, e.g. as therapeutic agents for treating e.g. cancer
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Jarrell KA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  initiation; elongation; gene expression; cancer; anemia; erythrocyte;
riboactivator; R10 library; ss.
                                                                                                        represent radioactivator isolate sequences obtained
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                    62.0%;
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 Score 6.2; DB 2;
Pred. No. 6.7e+05;
4; Mismatches 1
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Gaps
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RESULT 11
AAX32308
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                                                                        Transcriptional regulator; DNA-binding moiety; promoter; transcription; initiation; elongation; gene expression; cancer; anemia; erythrocyte; riboactivator; R10 library; ss.
26-AUG-1998;
                  04-MAR-1999.
                                                       Synthetic
                                                                                                              Radioactivator isolate no:
                                                                                                                                  16-JUN-1999
                                                                                                                                                                       AAX32308 standard; RNA; 10
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                                                                                                                                                                                                                                 1 UGCDGGHNMD 10
                                                                                                                                                                                                                       UGCAGGUUCG 10
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98WO-US017691.
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RESULT 12
AAZ77884/
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The invention provides novel transcriptional regulators (TR) that are comprised of RNA molecules. The TR comprises a DNA-binding moiety and an CRNA linked to the DNA binding moiety, where the RNA TR attivity. Methods of identifying such RNA TRs are also provided. The RNA TRs alter the rate and/or the extent of transcription from a promoter when they are C delivered to a site that is operationally linked to that promoter. The CT TRs can affect transcription initiation, elongation, reinitiation, cells, remination and pausing. They can be used in e.g. bacterial cells, yeast C cells, mammalian cells, insect cells, plant cells, reptile cells, cells, mammalian cells, and protozoan cells. They can be used as agents for controlling gene expression, e.g. to modulate gene expression in vivo in corder to alleviate or correct a disease state, e.g. cancer, anemia and cother disorders related to erythrocyte production. Sequences AAX32305-312 represent radioactivator isolate sequences obtained from a R10 library
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Best Local S
Matches 5
             19-JUN-1998;
19-JUN-1998;
19-JUN-1998;
19-JUN-1998;
19-JUN-1998;
19-JUN-1998;
                                                                                                                                                                                                                                                   SAGE tag; serial analysis of gene expression; antigen-presenting APC; monocyte-derived dendritic cell; differential gene expression immunostimulatory cofactor; costimulatory factor; CTL;
                                                                                                                               18-JUN-1999;
                                                                                                                                                                                     WO9965924-A2
                                                                                                                                                                                                                  Homo sapiens
                                                                                                                                                                                                                                              cytotoxic
                                                                                                                                                                                                                                                                                                               Human dendritic cell SAGE tag,
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AAZ77884 standard; DNA; 10
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           or anaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New RNA transcriptional regulators - used for modulating gene expression in vitro or in vivo, e.g. as therapeutic agents for treating e.g. cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 1999-204663/17.
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5; Conserv
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                                                                                                                                                                                                                                                                                                                                          (first entry
98US-0089833P.
98US-0089844P.
98US-0089853P.
98US-0089878P.
98US-0089991P.
98US-0089992P.
98US-0089993P.
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50.0%;
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                                                                                                                                                                                                                                                                                                               SEQ ID NO:312.
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                                                                                                                                                                                                                                                                  expression;
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Query Match Best Local S Matches 4

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Conservative

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62.0%;

Score 6.2; DB 3; Length 10 Pred. No. 6.7e+05;

Sequence

10

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A,

3 C; 1 G; 5 T; 0 U; 0 Other;

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Sequences AAZ77573-Z79709 represent SAGE (serial analysis of gene expression) tags used to identify mRNA transcripts encoding communostimulatory cofactor proteins which are preferentially compared continuous timulatory cofactor proteins which are preferentially compared continuous the devices. Some of the transcripts correspond to known genes or ESTs cother transcripts correspond to movel genes. Antigen-presenting cells while cother transcripts correspond to novel genes. Antigen-presenting cell in the cells. Tumour antigen presentation via the MHC (major histocompatibility complex) and subsequent recognition by T-cell must response that can lyse cells. Tumour antigen presentation by T-cell must response that can lyse cefficient activation of cytotoxic Tumphocytes (CTLs). Nucleic acid complex) and subsequent recognition by T-cell must response, particularly may be used in vaccines to induce an immune response, particularly complex may be used in vaccines to induce an immune response, particularly complex may be used in vaccines to induce an immune response, particularly complex to the modulate expression of differentially expressed genes in classification probes/amplification primers for the corresponse, particularly complex and hard, as helonoging to the monocyte lineage. Cells containing these genes complex as belonging to the monocyte lineage. Cells containing these genes genes are used in gene therapy. Co-administration of tumour antigens and complex may be used to dentify can be used in gene therapy. Co-administration of tumour antigens and complex may be used to dentify the condition of containing these genes are contained to the protection of containing the part
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19-JUN-1998;
19-JUN-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Isolated polynucleotides differentially expressed in antigen-presenting
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     19-JUN-1998;
19-JUN-1998;
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(ROBE/)
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19-JUN-1998;
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98US-0090048P
98US-0090072P
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98US-0090077P
98US-0090077P
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98US-0090043P.
98US-0090044P.
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98US-00909000P.
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98US-0090036P.
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RESULT 13
AAZ77631/c
SAGE tag; serial analysis of gene expression; antigen-presenting cell; APC; monocyte-derived dendritic cell; differential gene expression; immunostimulatory cofactor; costimulatory factor; CTL;
                Claim 1; Page 65; 130pp; English.
                               Isolated polynucleotides differentially expressed in antigen-presenting cells, useful in gene vaccines against cancer.
                                                            WPI; 2000-106077/09.
                                                                              Roberts BL,
                                                                                                         (GENZ )
                                                                                                                                                                                                         19-JUN-1998;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 cytotoxic T-lymphocyte; tumour antigen; immunotherapy; anticancer; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human dendritic cell SAGE tag, SEQ ID NO:59
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 10-APR-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAZ77631;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   631/c
AAZ77631 standard;
                                                                                                                                                                                       19-JUN-1998;
19-JUN-1998;
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19-JUN-1998;
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                                                                                                                                                                                                                                                                                                                                                               -JUN-1998;
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                                                                                              GENZYME CORP.
ROBERTS B L.
SHANKARA S.
                                                                              Shankara
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                                                                                                                                                           98US-0090045P.
98US-0090047P.
98US-00900748P.
98US-0090072P.
98US-0090077P.
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98US-0090035P.
98US-0090036P.
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98US-0089999P.
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98US-0089991P.
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Sequences AAZ77573-Z79709 represent SAGE (serial analysis of gene

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RESULT 14
AAZ81050
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CC activation of the cycotoxic immune response, particularly against tumour cells. Tumour antigen presentation via the MHC (major histocompatibility complex) and subsequent recognition by T-cell receptors is alone consultation and subsequent recognition by T-cell receptors is alone complex) and subsequent recognition by T-cell receptors is alone consultation of cytotoxic T-lymphocytes (CTLs). Nucleic acid sequences identified using the SAGS tags have several potential uses. CT hey may be used in vaccines to induce an immune response, particularly capainst a tumour antigen; to modulate the genotype of an APC; to screen ct for agents that modulate expression of differentially expressed genes in a ct was an as hybridisation probes/amplification primers for the capacist prognesis, prognosis and monitoring of diseases related to abnormal cexpressed genes, or of their encoded proteins, can be used in active immunotherapy (or to stimulate production of accompliance of the dendritic cell differentially can be used in active immunotherapy (or to stimulate production of a containing these genes can be used in active immunotherapy (or to stimulate production of a C population of antigen-specific effector cells) and vectors containing them are used in gene therapy. Co-administration of tumour antigens and C presentation of costimulatory signals, migration to T cell growth factors ensures adequate antigen for the correction of T cell growth factors and secretion of chemokines for corruitment of immune effector cells
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19-JUN-1998;
19-JUN-1998;
19-JUN-1998;
19-JUN-1998;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             expression) tags used to identify mRNA transcripts encoding immunostimulatory cofactor proteins which are preferentially differentially expressed in monocyte-derived dendritic cells with monocytes. Some of the transcripts correspond to known
(GENZ )
(ROBE/)
                                                                                                                                                                                                                   23-DEC-1999
                                                                                                                                                                                                                                                           WO9965928-A2
                                                                                                                                                                                                                                                                                                Homo sapiens.
                                                                                                                                                                                                                                                                                                                                     non-metastatic breast tumour tissue; gene therapy; anticancer; antimetastatic; vaccine; diagnosis; ss.
                                                                                                                                                                                                                                                                                                                                                                          Human; metastatic breast tumour tissue; breast cancer; tag; primer;
                                                                                                                                                                                                                                                                                                                                                                                                                 Metastatic breast tumour cell upregulated transcript tag #284.
                                                                                                                                                                                                                                                                                                                                                                                                                                                          07-APR-2000 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAZ81050;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAZ81050 standard; DNA; 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 10 BP; 3 A; 4 C; 2 G; 1 T; 0 U; 0 Other;
                                                                                                                                                                              18-JUN-1999;
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10 TGCTGGCTAG
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  GENZYME CORP.
ROBERTS B L.
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40.0%;
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Roberts BL,

Shankara

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(SHAN/) SHANKARA S.

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Query Match
Best Local 9
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     19-JUN-1998;
19-JUN-1998;
19-JUN-1998;
19-JUN-1998;
19-JUN-1998;
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                                                                                                                                                                                                                              23-DEC-1999.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  e.g. therapeutic genes (also ribozymes or antisense sequences), particularly an antigen-encoding sequence for use in gene or cell-based vaccines. Polypeptides encoded by the transcripts are also useful in vaccines; for diagnosing breast cancer and for raising specific antibodies (Ab). Ab are used to detect the polypeptides or as therapeutic agents. Host cells that produce the polypeptides can be used to expand and isolate populations of educated, antigen-specific immune effecter cells, e.g. cytotoxic T lymphocytes, and these used for adoptive
                                                                                                                                                                       18-JUN-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                         Human; metastatic breast tumour tissue; breast cancer; tag; primer;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          downregulated transcript tag #4995.
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CC that are preferentially transcribed in the metastatic breast tumour cells). AAZ83942 to that are preferentially transcribed in the metastatic breast tumour cells are upregulated in metastatic breast tumour cells). AAZ83942 cc to AAZ86677 represent tags corresponding to distinct transcripts that are preferentially transcribed in the primary or non-metastatic breast tumour cells). These transcripts can be used for diagnosis, prognosis, monitoring and ct treatment of breast cancer, particularly where metastatic breast tumour cells). These criman control of metastatic presents is by standard immunoassays or hybridisation/amplification reactions. Cc Compounds that modulate expression of the transcripts are potentially cuseful for treatment of (metastatic) breast cancer, while promoters from the transcripts are used to direct expression, in selected cell types, of c.g. therapeutic genes (also ribozymes or antisense sequences), particularly an antigen-encoding sequence for use in gene or cell-based covaccines. Polypeptides encoded by the transcripts are also useful in covaccines polypeptides encoded by the transcripts are also useful in covaccines. Polypeptides encoded by the transcripts are also useful in covaccines. Polypeptides encoded by the transcripts are also useful in covaccines. Polypeptides can be used to expand covaccines polypeptides can be used to expand covaccines. Host cells that produce the polypeptides or as therapeutic covaccines, cells that produce the polypeptides can be used to expand covaccines, and these used for adoptive covaccines are covaccined to account the polypeptides or as therapeutic cells, e.g. cytotoxic Tlymphocytes, and these used for adoptive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 1; Page 192; 219pp; English.
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(ROBE/)
(SHAN/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Isolated polynucleotides differentially expressed between metastatic non-metastatic breast cancer cells, useful for diagnosis, prevention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   treatment of cancer.
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Search completed: October 19, 2004, 15:04:54 Job time : 293 secs secs

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Query Match Best Local : Matches

4,

Conservative

5

Score 6.2; DB 3; Pred. No. 6.7e+05; 5; Mismatches 1

Length 10 Indels

0, Gaps

0

UGCDGGHNMD

10 10 Similarity

62.0%;

Sequence 10 BP; 3

A; 1 C; 4 G; 2 T; 0 U; 0 Other;

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Result
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Maximum Match 100%
Listing first 45 summaries
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Perfect score:
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1: /cgm2_6/ptodata/1,

2: /cgm2_6/ptodata/1,

3: /cgm2_6/ptodata/1,

4: /cgm2_6/ptodata/1,

5: /cgm2_6/ptodata/1,

6: /cgm2_6/ptodata/1,
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/cgn2_6/ptodata/1/ina/6A_COMB.seq:*
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/cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*
/cgn2_6/ptodata/1/ina/backfiles1.seq:*
GenCore version (c) 1993 - 2004
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US-08-388-353-504
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US-08-488-551B-822
US-08-488-551B-71
US-09-508-753B-22
US-09-508-753B-22
US-09-508-753B-75
US-08-481-658B-75
US-08-485-862B-75
US-08-485-862B-75
US-08-485-962B-75
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US-09-178-155-75
US-09-635-251-99
US-09-635-251-99
US-09-635-251-99
US-09-635-251-99
US-09-635-258-18
US-08-441-887A-177
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(without alignments)
124.700 Million cell updates/sec
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70, Appl
504, App
802, App
102, App
102, Appl
71, Appl
72, Appl
75, Appl
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S

1 UGCDGGHNMD 10

Best Local Similarity 40. Matches '4; Conservative

5 -:

Mismatches

Indels

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Gaps

Query Match 62.0%; Score 6.2; DB 3; Length 1 Best Local Similarity 40.0%; Pred. No. 8.9e+04; Matches 4; Conservative 5; Mismatches 1; Indels	US-08-388-353-70/c US-08-388-353-70/c Sequence 70, Application US/08388353 Patent No. 6010895 GENERAL INFORMATION: APPLICANT: Deacon, Nicholas J. APPLICANT: McEnee, Dale A. APPLICANT: McEnee, David TITLE OF INVENTION: NON-PATHOGENIC STRAINS OF HIV-1 NUMBER OF SEQUENCES: 800 CORESPONDENCE ADDRESS: ADDRESSES: Scully, Scott, Murphy & Presser STREET: 400 Garden City Plaza CITY: Garden City Plaza CITY: Garden City Plaza COMPUTER: New York COMPUTER: New York COMPUTER: New York COMPUTER: New York COMPUTER: DAVID: SOFTMA: COMPUTER: PATENTIN Relases #1.0, Version #1.25 CORPUTER: PATENTIN Relases #1.0, Version #1.25 CURRENT APPLICATION NUMBER: US/08/388,353 FILING DATE: 14-FEB-195 CURRENT APPLICATION NUMBER: 9606 TELECOMMUNICATION INFORMATION: APPLICATION NUMBER: 31,346 REFERENCE/DOCKET NUMBER: 9606 TELECOMMUNICATION INFORMATION: TELEPAX: 230 901 SANS UR INFORMATION CORS SEQ ID NO: 70: SEQUENCE CHARACTERISTICS: LENGTH: 10 base pairs TRANDEDNESS: single TOPOLOGY: Linear MCLECULE TYPE: DNA (genomic)	ALIGNMENTS	C 28 6.2 62.0 12 3 US-08-845-528C-6 C 29 6.2 62.0 12 3 US-09-620-926-1 30 6.2 62.0 12 4 US-09-528-404-7 C 31 6.2 62.0 12 4 US-09-528-404-7 C 32 62.0 12 4 US-09-528-404-7 C 33 6.2 62.0 12 4 US-09-468-433C-6 C 34 6.2 62.0 12 4 US-09-468-433C-6 C 35 6.2 62.0 14 1 US-08-332-747-17 C 36 6.2 62.0 14 1 US-08-332-747-17 C 37 6.2 62.0 14 1 US-08-332-747-17 C 38 6.2 62.0 14 1 US-08-998-099-339 38 6.2 62.0 14 3 US-08-998-099-339 39 6.2 62.0 14 4 US-09-475-947A-278 C 40 6.2 62.0 15 1 US-08-319-4928-413 C 41 6.2 62.0 15 1 US-08-363-240A-543 C 43 6.2 62.0 15 1 US-08-363-240A-543 C 44 6.2 62.0 15 1 US-08-363-240A-543 C 45 6.2 62.0 15 1 US-08-363-240A-592
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Gaps			6, Appli 7, Appli 8, Appli 9, Appli 9, Appli 6, Appli 6, Appli 0, Special 17, Appli 17, Appli 17, Appli 17, Appli 17, Appli 17, Appli 18, Appli 19, Appli
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US-08-488-551B-70/c
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US-08-388-353-504
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MEDIUM TYPE: Ploppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION UMBER: US/08/388,353
FILING DATE: 14-FEB-1995
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: DIGIGILO, Frank S.
REGISTRATION NUMBER: 31,346
REFERENCE/DOCKET NUMBER: 9606
TELECOMMUNICATION INDOCRMATION:
TELEPHONE: (516) 742-4343
TELEPHONE: (516) 742-4343
TELEPHONE: (516) 742-4366
                                                                                                                                                                                                              Sequence 70, Application US/08488551B
                                                                                                                                                                                                                                                                                                                                                                                  Matches
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Best Local
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                                                                                                                                                                             GENERAL INFORMATION:
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TELEX: 230 901 SANS UR
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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                                                 CORRESPONDENCE ADDRESS:
ADDRESSEE: SCULLY, S
                                                                                                                    APPLICANT: Nicholas J. Deacon
APPLICANT: Dale A. McPhee
APPLICANT: David Cooper
                                                                                      TITLE OF INVENTION:
NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Learmont, Jenniter C.
APPLICANT: McPhee, Dale A.
APPLICANT: Crowe, Suzanne
APPLICANT: Cooper, David
TITLE OF INVENTION: NON-PATHOGENIC STRAINS OF HIV-1
NUMBER OF SEQUENCES: 800
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                              STREET:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CITY: Garden City
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NEW YORK
                              E: SCULLY, SCOTT, MURPHY & PRESSER 400 GARDEN CITY PLAZA
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                                                                                                   NON-PATHOGENIC STRAINS OF HIV-1
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40.0%; Pred. No. 8.9e+04;
tive 5; Mismatches 1; Indels
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                           Patent No.
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FILING DATE: 21-FEB-1994
APPLICATION NUMBER: PN0284 (AU)
FILING DATE: 23-DEC-1994
APPLICATION NUMBER: US 08/388,353
FILING DATE: 14-FEB-1995
APPLICATION NUMBER: PN3021/95
APPLICATION NUMBER: PN3021/95
APPLICATION NUMBER: PN3021/95
ATTORNEY/ACENT INFORMATION:
NAME: FRANK S. DIGIGLIO
                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
APPLICANT: Nichol
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APPLICATION NUMBER: US/0
FILING DATE: 07-UN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PM38
FILING DATE: 14-FEB-1994
       APPLICATION TOUN-1995
PRIOR APPLICATION DATA:
PRIOR APPLICATION NUMBER: PM3864 (AU)
                                                                   SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/488,551B
                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                         APPLICANT: David Cooper
TITLE OF INVENTION: NON-PATHOGENIC STRAINS OF HIV-1
NUMBER OF SEQUENCES: 841
                                                                                                                                                                                                                                                                                                                                                APPLICANT: Dale A. McPhee APPLICANT: David Cooper TITLE OF INVENTION: NON-PA
                                                                                                                                                                                                                                                                                                            CORRESPONDENCE ADDRESS:
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LENGTH: 10 base pairs
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TELECOMMUNICATION INFORMATION:
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ZIP: 11530-0299
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
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STRANDEDNESS: sincle
TOPOLOGY
                                                                                                                                                                                                    COUNTRY: U.S.A. ZIP: 11530-0299
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
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TELEFAX: (516) 742-4366
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6015661
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Y: U.S.A.
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14-FEB-1994
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Pred. No. 1
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TELECOMMUNICATION INFORMATION:
TELEPHONE: (516) 742-4343
TELEPAX: (516) 742-4366
INFORMATION FOR SEQ ID NO: 504:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 base pairs
                                                                                                                                                                                                                                                                                                   COUNTRY: U.S.A.
ZIP: 11530-0299
COMPUTER READABLE FORM:
MEDIUM TYPE: Ploppy disk
COMPUTER: IBM PC COMPALIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOPTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION UMMBER: US/08/488,551B
FILING DATE: 07-JUN-1995
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
APPLICANT: Nicholas J. Deacon
APPLICANT: Dale A. McPhee
APPLICANT: David Cooper
TITLE OF INVENTION: NON-PATHOGENIC STRAINS OF HIV-1
NUMBER OF SEQUENCES: 841
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: US 08/
FILING DATE: 14-FEB-1995
APPLICATION NUMBER: PN3021
FILING DATE: 17-WAY-1995
ATTORNEY/AGENT INFORMATION:
NAME: FRANK S. DIGIGLIO
FILING DATE: 17-MAY-1995
ATTORNEY/AGENT INFORMATION:
NAME: FRANK S. DIGIGILO
REFERENCE/DOCKET NUMBER: 9606Z
TELECOMMUNICATION INFORMATION:
TELEPHONE: (516) 742-4343
                                                                                                                                                                                                                          PRIOR APPLICATION DATA:
APPLICATION NUMBER: 14-FEB-
APPLICATION NUMBER: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
ADDRESSEB: SCULLY, SCOTT, MURPHY & PRESSER
STREET: 400 GARDEN CITY PLAZA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STRANDEDNESS:
TOPOLOGY: lin
MOLECULE TYPE:
                                                                                                            FILING DATE: 21-FEB-1994
APPLICATION NUMBER: PN0284 (AU)
FILING DATE: 23-DEC-1994
APPLICATION NUMBER: US 08/388,353
FILING DATE: 14-FEB-1995
APPLICATION NUMBER: PN3021/95
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CITY: GARDEN CITY STATE: NEW YORK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: FILING DATE: 23-DEC
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US-08-522-384-102
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CURRENT FILING DATE: 1996-11-15
NUMBER OF SEQ ID NOS: 122
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 102
LENGTH: 10
SEQ ID NO 71
LENGTH: 10
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GENERAL INFORMATION:
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Best Local Similarity
Matches 4; Conserv
                                                                                                                                                                                                                                                                                                                                          Sequence 71, Application US/09261115 Patent No. 6458584
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APPLICANT:
                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
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                               FILE REFERENCE: 21416/90184
CURRENT APPLICATION NUMBER: US/09/261,115
CURRENT FILING DATE: 1999-03-03
NUMBER OF SEQ ID NOS: 78
SOFTWARE: Patentin Ver. 2.1
                                                                                                                                                                                                                        APPLICANT: MIRZABEKOV, ANDREI APPLICANT: GUSCHIN, DMITRY Y. APPLICANT: SHIK, VALENTINE APPLICANT: DROBYSHEV, ALEKSEI APPLICANT: FOTIN, ALEXANDER
                                                                                                                    APPLICANT: LYSOV, YU
TITLE OF INVENTION: CUSTOMIZED OLIGONUCLEOTIDE MICROCHIPS THAT CONVERT
TITLE OF INVENTION: MULTIPLE GENETIC INFORMATION TO SIMPLE PATTERNS, ARE
TITLE OF INVENTION: PORTABLE AND REUSABLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION: PROCESSES, APPARATUS AND COMPOSITIO TITLE OF INVENTION: CHARACTERIZING NUCLEOTIDE SEQUENCES FILE REFERENCE: 2458-4029
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEFAX: (516) 742-436
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: LOPEZ-NIETO, CARLOS E APPLICANT: NIGAM, SANJAY KUMAR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM: Unknown Organism
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: nucleic acid
STRANDEDNESS: sing
TOPOLOGY: linear
MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        62.0%;
Local Similarity 40.0%;
es 4; Conservation
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TGCTGGTCAT 10
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nilarity 40.0%;
Conservative
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Pred. No. 8.9e+04;
5; Mismatches 1
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Pred. No. 8.9e+04;
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RESULT 9
US-08-481-658B-75
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US-09-261-115-71
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION NUMBER: US/09/508,753B
CURRENT FILING DATE: 2000-06-16
PRIOR APPLICATION NUMBER: JP 9/270324
PRIOR FILING DATE: 1997-09-18
NUMBER OF SEQ ID NOS: 472
SEQ ID NO 22
                                                                                                                                                                                                                                                                                                                               Sequence 75, Application US/08481658B Patent No. 5955075
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Best Local S
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Best Local
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APPLICANT: Yasuhiro FURUI
APPLICANT: Yuko SHIBATA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Masanori WATAHIKI
TITLE OF INVENTION: Method for Synthesizing cDNA from mRNA sample
FILE REFERENCE: 00162/HG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LENGTH: 10
TYPE: DNA
ORGANISM: Artificial Sequence
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: ISM PC comparible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30 (EPO)
CURRENT APPLICATION DATA:
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APPLICANT: Pastorekova, Silvia
APPLICANT: Pastorek, Jaromir
TITLE OF INVENTION: MN Gene and Protein
NUMBER OF SEQUENCES: 86
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                                                                                                                      COUNTRY:
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Local Similarity 40.0%;
les 4; Conservative
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Yuko SHIBATA
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                                                                                                                                                                    E: Leona L. Laud
6 Mariposa Court
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Pred. No. 8.9e+04;
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TELEPAX: 415-455 TELEPAX: 415-455 TELEPAX: 415-455 TELEPAX: 100: 7
SEQUENCE CHARACTERISTICS: SEQUENCE CHARACTERISTICS: LENGTH: 11 base pairs TYPE: nucleic acid TYPE: nucleic acid single
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; DESCRIPTION:
US-08-481-658B-75
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                                                                                                                                                          CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08//
FILING DATE: 15-JUN-1994
ATTORNEY/AGENT INFORMATION:
NAME: Lauder, Leona L.
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Best Local
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INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                         MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/477,504A
FILING DATE: 07-JUN-1995
                                                                                               REGISTRATION NUMBER: 30,863
REFERENCE/DOCKET NUMBER: D-C
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-435-2034
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LENGTH: 11 base pairs
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LENGTH: 11 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
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STATE: California
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5972353
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5' donor consensus splice sequence
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40.0%;
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Pred. No. 8.9e+04;
5; Mismatches 1
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RESULT 12
US-08-485-862B-75
; Sequence 75, Application US/08485862B
; Patent No. 5989838
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                                                                                                                                                                                                                                      ) DESCRIPTION:
US-08-486-756A-75
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Best Local
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION UNMBER: US 08/260,190
FILING DATE: 15-JUN-1994
ATTORNEY/AGENT INFORMATION:
NAME: 15-JUN-1100:
                                                                                                                                                                                                                                                                                                                                                                                                  NAME: Lauder, Leona L.
REGISTRATION NUMBER: 30,863
REFERENCE/DOCKET NUMBER: D-
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-435-2034
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DESCRIPTION: 5' donor consensus splice sequence
                                                                                                                                                                                                                                                                     MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/486,756A
FILING DATE: 07-JUN-1995
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MEDIUM TYPE: Floppy
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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6 Mariposa Court
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Pastorek, Jaromir
PASTON: MN Gene and Protein
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Pred. No. 8.9e+04;
5; Mismatches 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 6.2; DB 2;
Pred. No. 8.9e+04;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1; Indels
                                                                                                                                                                                                  Length 11;
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                                                                                                                                                                      Indels
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US-08-787-739-75
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                                                                                                                                                                                                                                                                              Sequence 75, Apr. No. 6027887
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                   Patent No. 6027887
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX: 415-435-0727
INFORMATION FOR SEQ ID NO:
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                                                                                                    TITLE OF INVENTION: MN Gene and Protein
NUMBER OF SEQUENCES: 96
CORRESPONDENCE ADDRESS:
ADDRESSEE: Leona L. Lauder
STREET: 369 Pine Street, Suite 610
CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/485,862B
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/477,504
FILING DATE: 07-JUN-1995
APPLICATION NUMBER: US 08/260,190
FILING DATE: 15-JUN-1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE:
DESCRIPTION:
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MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                 APPLICANT: Pastorekov
APPLICANT: Pastorek,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Pastorek, Jaromir
TITLE OF INVENTION: MN Gene and Protein
NUMBER, OF SEQUENCES: 86
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                APPLICANT:
                                                        COUNTRY: U. ZIP: 94104
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: Lauder, Leona L.
REGISTRATION NUMBER: 30,863
REFERENCE/DOCKET NUMBER: D-0021.3D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STRANDEDNESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH: 11 base pairs
                                                                                                                                                                                                                                                                                                                                                                                              1 TECTEGTEAG 10
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DEDNESS: single
                                                                                         California
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5' donor consensus splice sequence
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                                                                                                                                                                                                                   Jaromir
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     5
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Pred. No. 8.9e+04;
5; Mismatches 1; Indels
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RESULT 14
US-08-487-077A-75
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Patent No. 6069242
GENERAL INFORMATION:
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APPLICATION NUMBER: US 08/485,862
FILING DATE: 07-JUN-1995
PRIOR APPLICATION NUMBER: US 08/485,862
FILING DATE: 07-JUN-1995
PRIOR APPLICATION NUMBER: US 08/485,863
FILING DATE: 07-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/487,077
FILING DATE: 07-JUN-1995
ATTORNEY/AGENT INFORMATION:
NUMBER: 11-10-07-10-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-07-11-0
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TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: 11 near
MOLECULE TYPE: DNA (genon
DESCRIPTION: 5' donor (
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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FILING DATE: 07-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/477,504
FILING DATE: 07-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/481,658
ZIP: 375/20
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPRATING SYSTEM: PC-DOS/MS-DOS
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APPLICANT: 1
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                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Pastorek, Jaromir
TITLE OF INVENTION: MN Gene and Protein
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TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-981-2034
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                                                                                                                                                                                                                  CITY: Tiburon
STATE: California
                                                                                                                                                   COUNTRY: U
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REGISTRATION NUMBER: 30,863
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ocal
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Similarity 40.0%;
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6 Mariposa Court
                                                                                                                                                                                      USA
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5' donor consensus splice sequence
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07-JUN-1995
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                                                                                                                                                                                                                                                                                                                        Lauder
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TELEFAX: 415-435-0727 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches
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TELEFAX: 415-435-0727
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Zavada, Ji
APPLICANT: Pastoreko
APPLICANT: Zavada, Ji
APPLICANT: Zavada, Ji
                                                                                                                                            APPLICATION NUMBER: US OFFILING DATE: 15-JUN-1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                           SOFTWARE: Patentin Release #1.0, Version #1.30 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/485,863A
FILING DATE: 07-JUN-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/260,190
                                                                    NAME: Lauder, Leona L.
REGISTRATION NUMBER: 30,863
REFERENCE/DOCKET NUMBER: D--
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
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DESCRIPTION:
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LENGTH: 11 base pairs
TYPE: nucleic acid
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REFERENCE/DOCKET NUMBER: D-
TELECOMMUNICATION INFORMATION:
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ATTORNEY/AGENT INFORMATION:
NAME: Lauder, Leona L
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CLASSIFICATION: 514
PRIOR APPLICATION DATA:
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/487,077A
FILING DATE: 07-JUN-1995
                                                    TELEPHONE: 415-435-2034
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: US 08/260,190
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4; Conserv
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6093548
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                                                                                                                                                                                                                                                                                                                                                                                                                               California
                                                                                                                                                                                                                                                                                                                                                                                                                                                               6 Mariposa Court
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Pastorekova, Silvia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
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5' donor consensus splice sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        62.0%; Score 6.2; DB 3; Length 11; 40.0%; Pred. No. 8.9e+04;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Lauder
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        30,863
30,863
D-0021.3H
                                                                                         D-0021.3G
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Addo HAMMINAME SAB

Copyright

GenCore version 5.1.6 (c) 1993 - 2004 Compugen Ltd.

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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
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Maximum DB seq length: 200000000
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Perfect score:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Run on:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          OM nucleic - nucleic search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence:
Published Applications NA:*

1: //cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:*

2: //cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:*

3: //cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:*

4: //cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:*

5: //cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq:*

6: //cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq:*

6: //cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq:*

7: //cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq:*

9: //cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq:*

10: //cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq:*

11: //cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq:*

12: //cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq:*

13: //cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq:*

14: //cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq:*

15: //cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq:*

16: //cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq:*

16: //cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq:*

18: //cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq:*

19: //cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq:*
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Gapop 10.0 , Gapext 1.0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   3403857 seqs, 2557783690 residues
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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Result No.	Score	Query Match Length DB	ength		ID	Description
2	6.2	62.0	10	13	US-10-033-145-312	Sequence
w	6.2	62.0	10	13	US-10-084-700-17	Sequence
4	6.2	62.0	10	15	US-10-212-476-71	Sequence
o s	6.2	62.0	11	9	US-09-005-243-99	Sequence 99
6	6.2	62.0	11	φ	US-09-224-683-99	Sequence 99,
7	6.2	62.0	11	9	US-09-772-719-75	
ი 8	6.2	62.0	11	10	US-09-918-715-162	œ
9	6.2	62.0	11	10	US-09-967-237-75	Sequence 75,
c 10	6.2	62.0	11	15	US-10-314-322-303	Sequence 303
c 11	6.2	62.0	11	17	US-10-203-969A-5	Sequence
12	6.2	62.0	11	17	US-10-450-797-357	Sequence 357
c 13	6.2	62.0	11	17	US-10-450-797-421	Sequence 421,

				c 41		c 39	38	c 37	36	c 35		33	32	31	30	c 29		27	26			c 23 .						17		c 15	
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US-09-880-313A-51	US-09-880-313A-49	-313A-	-313A-	9-880-313A-1	US-09-771-933-175	US-09-263-959-83	US-09-263-959-69	US-09-263-959-59	US-09-544-934B-106	P-1	US-09-274-553D-1160	US-09-152-059-21	US-09-152-059-20	US-09-152-059-13	US-09-152-059-11	US-09-504-231A-1161	31A-	US-10-318-390-11	1	-839-306	US-10-084-839-3065	13	08-980-068B-	US-08-980-068B-15	US-08-980-068B-12	US-09-823-181-4	US-10-160-237-6	US-10-076-047A-110	US-10-085-108-6	US-10-175-608-99	00-T0-400-121-000
e 51,	e 49,	29,	e 27,	19,	e 175	83,	e 69,	e 59, 1	e 106, /	e 1161,	e 1160	e 21,	20,	13,		Sequence 1161, Ap	1160,	11, A	346, A	3069,	30	e 131,	17,	15,	12,	4	6, Ap	110	e 6, 2	99, 2	ddw 'coo abrahae

ALIGNMENTS

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PRIOR APPLICATION NUMBER: 2001-11-05
PRIOR APPLICATION NUMBER: PCT/US99/13800
PRIOR FILING DATE: 1999-06-18
NUMBER OF SEQ ID NOS: 2137
SOFTWARE: Patentin version 3.0
SEQ ID NO 59
LENGTH: 10
TYPE: DNA
ORGANISM: Homo sapiens
US-10-033-145-59
RESULT 2
US-10-033-145-312/c
; Sequence 312, Application US/10033145
; Publication No. US20020151515A1
; GENERAL INFORMATION:
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US-10-033-145-59/c
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Publication No. US20020151515A1
GENERAL INFORMATION:
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                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                           Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                     CURRENT APPLICATION NUMBER: US/10/033,145
CURRENT FILING DATE: 2001-11-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: ROBERTS, BRUCE
APPLICANT: SHANKARA, SRINIVAS
TITLE OF INVENTION: PREPARATION AND USE OF SUPERIOR VACCINES
FILE REPERENCE: GA0201C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: GENZYME CORPORATION APPLICANT: ROBERTS, BRUCE APPLICANT: SHANKARA, SRINIVAS
                                                                                                                               1 UGCDGGHNMD 10 :||:||: :: 10 TGCTGGCTAG 1
                                                                                                                                                                                                         4; Conservative
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                                                                                                                                                                                                         5; Mismatches
                                                                                                                                                                                                                           Score 6.2; DB 13;
Pred. No. 7.8e+05;
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APPLICANT: GENZYME CORPORATION

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; TYPE: DNA
; ORGANISM: Homo sapien
US-10-084-700-17
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; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-033-145-312
APPLICANT: FOTIN, ALEXANDER
APPLICANT: YERSHOV, GENNADIY
APPLICANT: LYSOV, YU
TITLE OF INVENTION: CUSTOMIZED OLIGONUCLEOTIDE MICROCHIPS THAT CONVERT
TITLE OF INVENTION: MULTIPLE GENETIC INFORMATION TO SIMPLE PATTERNS, A
FILLE REFERENCE: 21416/90184
CURRENT APPLICATION NUMBER: US/10/212,476
CURRENT FILING DATE: 2002-08-08
PRIOR APPLICATION NUMBER: US/09/261,115
PRIOR APPLICATION NUMBER: US/09/261,115
                                                                                                                                                                                                                                                                                                              Sequence 71, Applica Publication No. US20 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 62.0%;
Best Local Similarity 40.0%;
Matches 4; Conservative
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 17, Applicate Publication No. US200 GENERAL INFORMATION:
                                                                                                                                                                                                                               APPLICANT: MIRZABEKOV, ANDREI APPLICANT: GUSCHIN, DMITRY Y APPLICANT: SHIK, VALENTINE APPLICANT: DROBYSHEV, ALEKSE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: ROBERTS, BRUCE
APPLICANT: SHANKARA, SRINIVAS
TITLE OF INVENTION: PREPARATION AND USE OF SUPERIOR VACCINES
FILE REFERENCE: GA0201C
CURRENT FILING DATE: 2001-11-05
PRIOR APPLICATION NUMBER: PCT/US99/13800
PRIOR APPLICATION NUMBER: PCT/US99/13800
NUMBER OF SEQ ID NOS: 2137
SOFTWARE: PALENCHIN VETSION 3.0
LENGTHARE: PALENCHIN VETSION 3.0
SEQ ID NO 312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Seeley, Todd
TITLE OF INVENTION: huBUB3 GENE INVOLVED IN HUMAN CANCERS
FILE REFERENCE: PP-01406.004/200130.438D1
CURRENT APPLICATION NUMBER: US/10/084,700
CURRENT FILING DATE: 2002-02-27
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Best Local
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Similarity 40.0%;
4; Conservation
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                                                                                                                                                                                                                               GUSCHIN, DMITRY Y.
SHIK, VALENTINE
DROBYSHEV, ALEKSEI
                                                                                                                                                                                                                                                                                                                               Application US/10212476 O. US20030157509A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Application US/10084700
No. US20020160403A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 6.2; DB 13;
Pred. No. 7.8e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 5; Mismatches
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Pred. No. 7.8e+05;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 99, Application US/09005243 Patent No. US20020018763A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQ ID NOS: 78
SOFTWARE: PatentIn Ver. 2.1
SEQ_ID NO 71
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches
         NAME: Clough, David w.
REGISTRATION NUMBER: 36,107
REFERENCE/DOCKET NUMBER: 01017/34465
TELECOMMUNICATION INFORMATION:
                                                                               APPLICATION NUMBER: 07/4:
FILING DATE: 16-OCT-1989
ATTORNEY/AGENT INFORMATION:
                                                                                                                                     APPLICATION NUMBER: 07/537,198
FILING DATE: 11-JUN-1990
PRIOR APPLICATION DATA:
                                                                                                                                                                                      APPLICATION NUMBER: 07/5
FILING DATE: 24-AUG-1990
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/4
FILING DATE: 24-MAY-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OTHER INFORMATION: Description of Artificial Sequence: Customized OTHER INFORMATION: oligonucleotide
                                                                                                                                                                                                                                             PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                              PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/589,701
FILING DATE: 01-0CT-1990
                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/90
FILING DATE: 25-NOV-1992
                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/005,243
FILING DATE:
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatil
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Suggs, Sidney V.
APPLICANT: Martin, Francis H.
TITLE OF INVENTION: Stem Cell
NUMBER OF SEQUENCES: 104
ANDRESCES: 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STREET: 6300 S
CITY: Chicago
STATE: Illinoi
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TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                               CLASSIFICATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COUNTRY: United States of America
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               60606-6402
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           E: Marshall, O'Toole, Gerstein, Murray & Borun
6300 Sears Tower, 233 South Wacker Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Bosselman, Robert A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Stem Cell Factor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         62.0%;
                                                                                                                      07/422,383
                                                                                                                                                                                                                                07/573,616
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.8e+05;
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RESULT 6
US-09-224-683-99/c
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Best Local 9
APPLICATION NUMBER: 07/422,38
FILING DATE: 16-OCT-1989
ATTORNEY/AGENT INFORMATION:
NAME: Clough, David W.
REGISTRATION NUMBER: 36,107
REFERENCE/DOCKET NUMBER: 0101
                                                                                                                                                                                                      APPLICATION NUMBER: 07/982
FILING DATE: 25-MOV-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/589
FILING DATE: 01-OCT-1990
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                      CLASSIFICATION:
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                  CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/0
FILING DATE: 12-JAN-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOPTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE CHARACTERISTICS:
                                                                                             FILING DATE: 11-JUN-1990 PRIOR APPLICATION DATA:
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APPLICATION NUMBER:
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                                                                                                               APPLICATION NUMBER: FILING DATE: 11-JUN
                                                                                                                                                                                                                                                                                                                         FILING DATE:
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                                                                                                                                                                FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                    CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER:
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US20020031491A1
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4; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Martin, Francis H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Suggs, Sidney V.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Bosselman, Robert A.
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40.0%;
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                                                                              07/422,383
                                                                                                                                                                          07/573,616
                                                                                                                                                                                                                            07/589,701
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 01017/35136
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Pred. No. 7.7e+05;
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South Wacker Drive
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RESULT 7
US-09-772-719-75
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     Query Match
Best Local S
Matches 4
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Patent No. US20020137910A1
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                                                                                                                                                                                                                                                                APPLICATION NUMBER: US 08/485,049
FILING DATE: 07-JUN-1995
APPLICATION NUMBER: US 08/260,190
FILING DATE: 15-JUN-1994
ATTORNEY,AGENT INFORMATION:
NAME: Lauder, Leona L.
REGISTRATION NUMBER: 30,863
REFERENCE/DOCKET NUMBER: D-0021.3E
                                                                                                                                                                                                  TELEFAX: 415-981-0332
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEX: 25-3856
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                               MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0,
CURRENT APPLICATION DATA:
                                                                                                                                                                SEQUENCE CHARACTERISTICS LENGTH: 11 base pairs
                                                                                                      MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                  CLASSIFICATION:
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Zavada, Jan
APPLICANT: Pastorekova, Silvia
APPLICANT: Pastorek, Jaromir
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE CHARACTERISTICS
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                                                                                                                                                                                                                                                 TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE: DNA
                                                                                                                  STRANDEDNESS: si
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Y Match 62.0%;
Local Similarity 40.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEPHONE: 312/474-0448
                                                                                     DESCRIPTION:
                                                                                                                                                                                                                                 TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ZIP: 94104
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LENGTH: 11 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                          TENGTH: 11 Dabe TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PLICANT: Pastorek, Jaromir
TLE OF INVENTION: MN Gene
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11 TGCAGGAGAT 2
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n 62.0%;
Similarity 40.0%;
4; Conservative
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369 Pine Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     USA
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                                                                                                                                                                                                                                   415-981-2034
                                                                                DNA (genomic)
5' donor consensus splice sequence
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                                                                                                                                   single
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     Score 6.2; DB 9;
Pred. No. 7.7e+05;
5; Mismatches 1
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Pred. No. 7.7e+05;
5; Mismatches 1
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                                   Length 11;
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      Indels
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UGCDGGHNMD TECTEGTGAG 10

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CURRENT APPLICATION NUMBER: US/09/918,715
CURRENT FILING DATE: 2001-08-01
PRIOR APPLICATION NUMBER: 60/222,599
PRIOR FILING DATE: 2000-08-02
PRIOR PILICATION NUMBER: 60/224,360
PRIOR FILING DATE: 2000-08-11
PRIOR APPLICATION NUMBER: 60/282,850
PRIOR APPLICATION NUMBER: 60/282,850
PRIOR FILING DATE: 2000-04-11
PRIOR APPLICATION NUMBER: 60/282,850
PRIOR FILING DATE: 2000-04-11
NUMBER OF SEQ ID NOS: 358
SOFTWARE: PastSEQ for Windows Version 3.0
SEQ ID NO 162
LENGTH: 11
TYPE: DNA
ORGANISM: Homo Sapiens
US-09-918-715-162
                                                                                                                                                                                                               LENGTH: 11
; TYPE: DNA
; ORGANISM: HUMAN
US-09-967-237-75
RESULT 10
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US-09-918-715-162/c
                                                                                                                                                                                                                                                                                         CURRENT APPLICATION NUMBER: US/09/967,237
CURRENT FILING DATE: 2001-09-27
PRIOR APPLICATION NUMBER: 09/178,115
PRIOR FILING DATE: 1998-10-23
NUMBER OF SEQ ID NOS: 116
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 75
                                                                                                                                      Matches
                                                                                                                                                                           Query Match
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Best Local :
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Publication No. US20030049828A1
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APPLICANT: Brad St. Croix
APPLICANT: Bert Vogelstein
APPLICANT: Kenneth Kinzler
TITLE OF INVENTION: ENDOTHELIAL CELL EXPRESSION PATTERNS
FILE REFERENCE: 1107.00134
                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Zavada, Jan
APPLICANT: Pastorekova, Silvia
APPLICANT: Pastorek Jaromir
TITLE OF INVENTION: MN Gene and Protein
FILE REFERENCE: D-0021.58-2
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                                                                                                                          Local Similarity 40.0%; les 4; Conservarion
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4; Conservative
                                                   TGCTGGTGAG 10
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o. US20030017157A1
                                                                                                                                Score 6.2; DB 10; Length 11; Pred. No. 7.7e+05; Indels
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Pred. No. 7.7e+05;
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Sequence 5, Application US/10203969A
Publication No. US20040110224A1
GENERAL INFORMATION:
APPLICANT: Puijk, Wouter C.
APPLICANT: Dijk van, Evert
APPLICANT: Dijk van, Evert
APPLICANT: Dijk van, Evert
APPLICANT: Slootstra, Jelle W.
TITLE OF INVENTION: Segment synthesis
FILE REFERENCE: P50200US00
CURRENT APPLICATION NUMBER: US/10/203,969A
CURRENT FILING DATE: 2003-07-07
PRIOR APPLICATION NUMBER: EP 00200536.1
PRIOR APPLICATION NUMBER: EP 00200536.1
PRIOR APPLICATION NUMBER: ECT/NL01/00131
PRIOR FILING DATE: 2001-02-16
NUMBER OF SEQ ID NOS: 660
SOPTWARE: Patentin Ver. 2.1
SEQ ID NO 5
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                                                                                                                                    US-10-203-969A-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: Compositions and Methods for Wound
TITLE OF INVENTION: Healing
FILE REFERENCE: 000486.00016
CURRENT APPLICATION NUMBER: US/10/314,322
CURRENT FILING DATE: 2002-12-09
PRIOR APPLICATION NUMBER: US 60/074,737
PRIOR FILING DATE: 1998-02-13
PRIOR APPLICATION NUMBER: US 60/097,937
PRIOR APPLICATION NUMBER: US 60/097,937
PRIOR APPLICATION NUMBER: US 60/102,051
PRIOR FILING DATE: 1998-08-26
PRIOR APPLICATION NUMBER: US 09/102,051
PRIOR FILING DATE: 1998-09-28
PRIOR APPLICATION NUMBER: US 09/249,155
PRIOR APPLICATION NUMBER: US 09/249,155
PRIOR APPLICATION NUMBER: US 09/249,155
PRIOR FILING DATE: 1999-02-12
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US-10-203-969A-5/c
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                                                Matches
                                                                      Query Match
Best Local
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Best Local (
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 303, Application US/10314322 Publication No. US20030229911A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                TYPE: DNA ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQ ID NOS: 346
                                                                                                                                                  NAME/KEY: misc_feature
LOCATION: (1)..(11)
                                                                                                                                                                                                             OTHER INFORMATION: Description of Artificial Sequence: unspecified OTHER INFORMATION: biotinylated DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Heber-Katz, Ellen
                                                                                                                                                                                                    FEATURE:
                                                                                                                                                                                                                                                                                                                                LENGTH: 11
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                                                                  Similarity
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                                             Conservative
                                                                62.0%;
40.0%;
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40.0%;
                                      Score 6.2; DB 17;
Pred. No. 7.7e+05;
5; Mismatches 1;
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Pred. No. 7.7e+05;
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                                                                                Length 11;
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APPLICANT: Petersohn, Dirk
APPLICANT: Conradt, Marcus
; APPLICANT: Conradt, Marcus
; APPLICANT: Hofmann, Kay
; ITILE OF INVENTION: METHOD FOR DETERMINING SKIN STRESS OR SKIN AGEING IN VITRO
FILE REFERENCE: HENK-0041
; CURRENT FILING DATE: 2003-12-04
; CURRENT FILING DATE: 2003-12-04
; PRIOR APPLICATION NUMBER: PCT/EP01/15178
; PRIOR PILING DATE: 2001-12-20
; PRIOR APPLICATION NUMBER: DE 101 00 121.5
; PRIOR FILING DATE: 2001-01-03
; NUMBER OF SEQ ID NOS: 1435
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 421
; TYPE: DNA
; ORGANISM: Homo sapiens
                                                                                     RESULT 14
US-10-450-797-663/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; LENGTH: 11
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-450-797-357
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Sequence 663, Application US/10450797
Publication No. US20040142335A1
GENERAL INFORMATION:
APPLICANT: Petersohn, Dirk
                                                                                                                                                                                                                                                          Matches
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Best Local Similarity 40.0%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 357, A Publication No.
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CURRENT FILING DATE: 2003-12-04
PRIOR APPLICATION NUMBER: PCT/EP01/15178
PRIOR FILING DATE: 2001-12-20
PRIOR APPLICATION NUMBER: DE 101 00 121.5
PRIOR FILING DATE: 2001-01-03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQ ID NOS: 1435
SOFTWARE: PatentIn version 3.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Conradt, Marcus
APPLICANT: Hofmann, Kay
TITLE OF INVENTION: METHOD FOR DETERMINING SKIN STRESS OR SKIN AGEING IN VITRO
FILE REFERENCE: HENK-0041
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Petersohn, Dirk
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Local Similarity 40.0%;
les 4; Conservation
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Pred. No. 7.7e+05;
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RESULT 15
US-10-175-608-99/c
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; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-450-797-663
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CURRENT FILING DATE: 2003-12-04
PRIOR RPPLICATION NUMBER: PCT/EP01/15178
PRIOR FILING DATE: 2001-12-20
PRIOR APPLICATION NUMBER: DE 101 00 121.5
PRIOR FILING DATE: 2001-01-03
NUMBER OF SEQ ID NOS: 1435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Conradt, Marcus
APPLICANT: Hofmann, Kay
TITLE OF INVENTION: METHOD FOR DETERMINING SKIN STRESS OR SKIN AGEING IN VITRO
FILE REFERENCE: HENK-0041
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-005/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION: Stem Cell Factor NUMBER OF SEQUENCES: 104
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Zsebo, Krisztina M.
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11 TGCAGGACAG 2
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STREET: 6300 Sears Tower, 233 South Wacker Drive
CITY: Chicago
STATE: Illinois
                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: US/10/175,608 FILING DATE: 16-Oct-2002
                                         FILING DATE: 24-AUG-1990
APPLICATION NUMBER: 07/537,198
                                                                                                                                                  FILING DATE: 25-NOV-1992
APPLICATION NUMBER: 07/684,535
FILING DATE: 10-APR-1991
                                                                                                                                                                                                                                                                                                                                                                                             CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COUNTRY: United States of America ZIP: 60606-6402
                                                                                                                                                                                                                                                         APPLICATION NUMBER: 09/486,546
FILING DATE: 24-MAY-1995
APPLICATION NUMBER: 08/172,329
                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: 09/635,249 FILING DATE: 07-AUG-2000
                                                                APPLICATION NUMBER: 07/573,616 FILING DATE: 24-AUG-1990
                                                                                                         APPLICATION NUMBER: 09/589,701 FILING DATE: 10-OCT-1991
                                                                                                                                                                                                                    APPLICATION NUMBER: 07/982,255
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Application US/10175608 to. US20040181044A1
                                                                                                                                                                                                                                           LING DATE: 21-DEC-1993
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40.0%;
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07/422,383
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Pred. No. 7.7e+05;
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ATTORNEY/AGENT INFORMATION:
NAME: Clough, David W.
REGISTRATION UNMBER: 36,107
REFERENCE/DOCKET NUMBER: 0.0017/35199
TELECOMMUNICATION INFORMATION:
TELEPAX: 312/474-6300
TELEFAX: 312/474-0448
TELEX: <Unknown>
TELEX: <Unknown>
TELEX: <Unknown>
TELEX: <Unknown>
TELEX: INFORMATION: DO: 99:
SEQUENCE CHARACTERISTICS:
LENGTH: 11 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TYPE: DNA
SEQUENCE DYPE: DNA
SEQUENCE DESCRIPTION: SEQ ID NO: 99:
US-10-175-608-99
Bearch completed: October 19, 2004, 16:13:07 Job time : 261 secs
                                                                                                                                                                                      Query Match 62.0%; Score 6.2; DB 17; Length 11; Best Local Similarity 40.0%; Pred. No. 7.7e+05; Matches 4; Conservative 5; Mismatches 1; Indels
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Run
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Maximum Match 100%
Listing first 45 summaries
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Maximum DB
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length: 2000000000
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Match
                                                                                                                                                                                                                                                    is the number of results predicted by chance to have a ater than or equal to the score of the result being printed, rived by analysis of the total score distribution.
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GenCore version (c) 1993 - 2004
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AZ789903
CO790328
AZ7594960
AZ776814
AZ3776819369
AZ819369
AZ3079716
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AZ501345
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CL435787
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AZ422762
         AZ472899
AZ632990
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Compugen Ltd.
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AZ610074
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AJ594173 Arabidops
AZ422762 1M0201P12
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AZ800056 2M0057E20
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1M0288L22
1M0487M19
2M0074J19
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NT009B E1
1M0407E16
2M0010I17
2M0089O21
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AUTHORS
TITLE
JOURNAL
                                                                                                                                                                                                                                                                                                                              VERSION
KEYWORDS
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CL437053/c
                                 ORIGIN
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      Query Match
Best Local
Matches
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62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0		62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	
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AJ592851	AZ769533	AZ510410	AZ414090	BQ594927	AA974358	AA923337	AA880566	AG187929	TA120A03P	AZ821309	AZ505865	AZ492799	AZ308017	BQ589506	AL045569	AG195455	CL670300	TA278H12P	TA121C07P	
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AJ592851	AZ769533	AZ510410	AZ414090	BQ594927	AA974358	AA923337	AA880566	AG187929	AL462474	AZ821309	AZ505865	AZ492799	AZ308017	BQ589506	AL045569	AG195455	TL670300	AL485533	AL465730	
Arabidops	1M0570D22	1M0354H21	1M0188F21	S015257-0	oq14f08.	ol44e07	vx41c05.r	Pan trogl	T. brucei	2M0094G05	1M0346C1	1M0327B10	1M0010M05	E012561-0	DKFZp434M	Pan trogl	PRI0161d	T. brucei	T. bruce	

ALIGNMENTS

Class: Gene Trap. Location/Qualifiers Mammalian Functional Genomics Centre Manitoba Institute of Cell Biology, Universitry of Manitoba NS019, 675 McDermot Ave, Winnipeg, MB R3E 0V9, Canada Tel: 204 787 213 Tel: 204 787 2190 Email: hicksgg@cc.umanitoba.ca Email: hicksgg@cc.umanitoba.ca U3NeoSV1 gene trap. Tag generated by plasmid rescue. Additional sequence information and target gene cloning can be generated. ES cell line harboring insertion mutation of target gene is available. Sequence analysis available from http://140.193.242.7/esdb/public_search_frame.php?PST=PST4390-NR.Se www.EScells.ca Unpublished (2002) Contact: Hicks GG PST4390-NR.Seq MICB1 Mus genomic survey sequence. CL437053 Eukaryota; Metazoa; Mammalia; Eutheria; 1 (bases 1 to 10) CL437053.1 GSS. Hicks, G.G. Mus musculus h 62.0%; Similarity 40.0%; 4; Conservative Mus musculus (house mouse) CL437053 /cell type="Embryonic stem cell" /cell_line="D3H (J1 subclone)" /clone_lib="MICB1" /organism="Mus musculus" /mol_type="genomic DNA" /strain="129 sv" note="Vector: U3NeoSV1" db_xref="taxon:10090" clone="PST4390-NR.Seg" sex="Male" GI:45572462 Chordata; Rodentia; Score 6.2; DB 9; Pred. No. 3.3e+06; 5; Mismatches 1 "10 bp DNA linear GSS 18-MAR-2004 musculus genomic clone PST4390-NR.Seq, Craniata; Vertebrata; Euteleostomi; Sciurognathi; Muridae; Murinae; Mus Length 10;

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Local Similarity 40.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           L Submitted (23)-CCT-2003) Balzergue S., UMRGV, INRA/CNRS, 2 rue Gaston Cremieux, 91057 Evry cedex, FRANCE
PCR was performed on DNA from transformants of Arabidopsis thaliana plants from INRA (Versailles). The DNA fragment(s) resulting from the PCR were directly sequenced from the left or the right border to determine the genomic sequence flanking the insertion. T-DNA derived sequences were removed. Information to order the corresponding mutant line and a link to a database providing a graphical display of the insertion site are available at http://dbsgap.versailles.inra.fr/publiclines/. This sequence has been generated in the framework of the French plant genomics program 'Genoplante' (http://www.genoplante.com and http://genoplante-info.infobiogen.fr).
                           19 bp DNA linear GSS 03 MV2001P12R Mouse 10kb plasmid UUGC1M library Mus musculus clone UUGC1M0201P12 R, genomic survey sequence. AZ422762
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         AZ422762.1 GI:10546871
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Balzergue, S.
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EMBO Rep. 3 (12), 1152-1157 (2002)
22363535
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T-DNA integration into the Arabidopsis genome depends on sequences
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Arabidopsis thaliana T-DNA flanking sequence, left border, clone
393H08, genomic survey semiance
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left border"
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/cultivar="Wassillewskija"
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Pred. No. 3.4e+06;
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                     AZ791433 19 bp DNA linear GSS 16 2M0041A24F Mouse 10kb plasmid UUGCIM library Mus musculus clone UUGC2M0041A24 F, genomic survey sequence. AZ791433
AZ791433.1
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Insert Length: 10000 Std Error: 0.00
Plate: 0201 row: P column: 12
Seq primer: CACACAGGAAACAGCTATGACC
Class: plasmid ends
High quality sequence stop: 19.
Location/Qualifiers
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1 (bases 1 to 19)
Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D.,Weiss,R.
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Fax: 801 585 7177
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
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19 bp DNA linear GSS 1020057E20R Mouse 10kb plasmid UUGCIM library Mus musculus clone UUGC2M0057E20 R, genomic survey sequence.
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Insert Length: 10000 Std Err
Plate: 0041 row: A column: 2
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Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
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Fax: 801 585 7177
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Location/Qualifiers
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/strain="C57BL/6J"
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CL435787 19 bp DNA linear GSS 18-MAR-2004 PST1409-NL.seq MICB1 Mus musculus genomic clone PST1409-NL.seq similar to Spats1, genomic survey sequence.
CL435787 CL435787.1 GI:45569831
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Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: C
Plate: 0057 row: B column: 20
Seq primer: CACACAGGAAACAGCTATGACC
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Mus musculus (house mouse)
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                                                                                                                                                                                                                                                                                                                                                                                     Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
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/Clone_lib="Mouse 10kb plasmid UUGCIM library"
/note="Vector: pWp2pu; burified genomic DNA from M.
musculus C578L/6J (male) was obtained from the Jackso
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strain="C57BL/6J"
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Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D.,Weiss,R.
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Mus musculus
Mus musculus
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AZ308311
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                                                                             University of Utah Genome Center University of Utah
                                                                                                                     Contact: Robert
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Class: Gene Trap.
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Manitoba Institute of Cell Biology, Universitry of Manitoba
ON5029, 675 MCDermot Ave, Winnipeg, MB R3E 0V9, Canada
                                                                                                                                       Unpublished (2000)
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Fax: 204 787 2190
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Mammalia; Eutheria;
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/clone_lib="MICB1"
/note="Vector: U3NeoSV1"
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cell_line="D3H (J1 subclor
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                                                 Mouse whole genome s plasmid inserts Unpublished (2000) Contact: Robert B. W. University of Utah G. M. 308, Biomedical i
                                                                                                                                                                 Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D.,Weiss,R.
Nouse whole genome scaffolding with paired end reads from 10kb
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Tel: 801 585 5606
Fax: 801 585 7177
                                                                                                                                                                                                                                                                                                                          Mus musculus
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Insert Length: 1000 Std Error:
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Seq primer: CGTTGTAAAACGACGGCCAGT
Class: plasmid ends
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/mol_type="genomic DNA"
/strain="C57BL/6J"
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adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWDA2 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XLL10-Gold (Stratagene) cells and selected for ampicillin resistance."
                                                                                                                                                                                                                                                                                                                                                                                                                                              Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The
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Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weiss, R.
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1M0483K12R Mouse 10kb plasmid UUGC1M library Mus musculus
clone UUGC1M0483K12 R, genomic survey semieros
AZ630221
                                                                                     Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWDA2 (gil4732114 |gb|AFF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
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/strain="C57BL/6J"
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Mouse whole genome scaffolding with paired end reads from 10kb Mouse whole genome scaffolding with paired end reads from 10kb
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20 bp DNA linear GSS 16-FEB-20 2M0038F15F Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC2M0038F15 F, genomic survey sequence.
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/mol_type="genomic DNA"
/strain="C57BL/6J"
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Class: plasmid ends
High quality sequence stop: 20.
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Plate: 0038 row: F column: 1
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                                                                                                                                                                                                                                                                                                                                                                                                               Ambystoma mexicanum
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Amphibia, Batrachia, Caudata, Salamandroidea, Ambystomatidae,
Pfotenhauerstrasse 108,01307 Dresden, Germany
Tel: 0049 351 210 2620
Fax: 0049 351 210 1489
                                                                                                                                                                Genome Biol. (2004) In Contact: Elly M. Tanaka
                                                                                      Dresden
                                                                                                             Max Planck Institute of Molecular Cell Biology and
                                                                                                                                                                                                                          cDNA libraries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ambystoma mexicanum (axolotl)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pW042 (gi | 4732114 | gb | AF129072.1), a copy-number inducable derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Laboratory Mouse DNA Resource
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/strain="C57BL/6J"
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                                                                                                                                                                                             (2004) In press
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40.0%;
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Pred. No. 3.5e+06;
5; Mismatches 1
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Seq primer: GCA CAT TAG GCC TAT
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weiss, R. Mouse, whole genome scaffolding with paired end reads from 10kb Mouse, whole genome scaffolding with paired end reads from 10kb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 UGCDGGHNMD 10
                                                                                                                                                                                                                                                        Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error:
Plate: 0407 row: E column: 16
Seq primer: CGTTGTAAAACGACGGCCAGT
Class: plasmid ends
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. 1 (bases 1 to 21)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       clone UUGC1M0407E16 F, genomic survey sequence. AZ594960
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GSS.
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1M0407E16F Mouse 10kb plasmid UUGC1M library Mus musculus
                                                                                                                                                                                                              High quality sequence stop: 21.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                  Tel: 801 585 5606
Fax: 801 585 7177
                                                                                                                                                                                                                                                                                                                                                                                                                              University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Contact: Robert B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Unpublished (2000)
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/cell_type="Includes Neural tube, notochord, somites"
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/clone_lib="Stage 18-22"
/clone_lib="Stage 18-22"
/note="Vector: pCMVSport6; Site_1: NotI; Site_2: SalI;
/mormalized cDNA plasmid library prepared by Invitrogen.
Size_fractionated mRNA was polydT primed and cloned into
NotI-SalI site of pCMVSport6. Bacterial host is
EMDH10B-TONA. Average insert size is 1.5 KB.
ThG_ITB_NT"
/lab host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clome_lib="Mouse 10kb plasmid UUGC1M library"
/note="Vector: PWD42nv; Purified genomic DNA from M.
                                                                                                         /mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
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/db_xref="taxon:8296"
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                                                                   /sex="Male"
                                                                                  clone="UUGC1M0407E16"
                                                                                                                                                                        organism="Mus musculus"
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Pred. No. 3.5e+06;
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Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weiss, R.
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                                                                                                                                                                                                                                                                                                                                                        Seq primer: CACACAGGAĀĀCAGCTATGACC
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Insert Length: 10000 Std Erro
Plate: 0010 row: I column: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Unpublished (2000)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mus musculus (house mouse)
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801 585 7177
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/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/note="Vector: PWD42nv; Purified genomic DNA from M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         musculus C57BL/6J (male) was obtained
                                                                                                                                                                         /mol_type="genomic DNA"
/strain="C57BL/6J"
                                                                                                                                                                                                                                                                                       Location/Qualifiers
                                                                                                                      /db_xref="taxon:10090"
/clone="UUGC2M0010I17"
                                                                                                                                                                                                                                 organism="Mus musculus"
                                                                                            sex="Male"
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                                                                                                                                                                                                                                                                                                                                                                                                                                   Std Error: 0.00
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VERSION KEYWORDS

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Best Local Similarity
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10 TGCTGGTACT 19
                                                                                                                                                                                                                                                     High quality sequence stop: 21.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                             Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: (
Plate: 008) row: O column: 21
Seq primer: CACACAGGAAACAGCTATGACC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         University of Utah University of Utah
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C.,
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AZ819369.1 GI:12989277
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                                                                                                                                                                                                                                                                                                          Class: plasmid ends
                                                                                                                                                                                                                                                                                                                                                                                                                                 Tel: 801 585 5606
Fax: 801 585 7177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Contact: Robert B.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Unpublished (2000)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mouse whole genome scaffolding with paired end reads from 10kb
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/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/note="Vector: PWD42nv; Purified genomic DNA from M.
                                                                                                                                                 organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
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                                                                                 ′sex="Male"
                                                                                                       clone="UUGC2M0089021"
                                                                                                                              db_xref="taxon:10090"
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                                                                                                                                                                                                                                                                                                                                                                                  Std Error: 0.00
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Laboratory Mouse DNA Resource

musculus C57BL/6J (male) was obtained from the Jackson

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JOURNAL COMMENT
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AUTHORS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 15
AZ307716/c
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VERSION
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ORGANISM
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Best Local Similarity 40.0%;
                                                                                                                                                                                                                                            source
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D.,Weiss,R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            plasmid inserts
(7000)
(Inpublished (7000)
(Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AZ307716 22 bp DNA linear GSS 29-SEP-200 1M0009N02R Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0009N02 R, genomic survey sequence.
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Insert Length: 10000 Std Error: (
Plate: 0009 row: N column: 02
Seq primer: CACACAGGAAACAGCTATGACC
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Fax: 801 585 7177
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308,
7. USA
                                                                                                                                                                                                                                                                     quality sequence stop: 22.
Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC,
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/note="Vector: PWD42nv; Purified genomic DNA from M.
                                                                                                                                                         /organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
                                                                                                         /db_xref="taxon:10090"
/clone="UUGC1M0009N02"
                                                                                   sex="Male"
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Pred. No. 3.5e+06;
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TITLE

musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resources (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynocleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

ORIGIN

Query Match Best Local Matches Similarity 40.0 62.0%; <u>ა</u> Score 6.2; DB 8; Length 22; Pred. No. 3.5e+06; Mismatches Indels 0 Gaps

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Search completed: October 19, 2004, 16:07:31 Job time : 2183 secs